

AMENDMENTS TO THE ABSTRACT

Please replace the present abstract with the enclosed abstract.

ABSTRACT

A surgical method, particularly for procedures on the brain, in which it is possible to select the tissue to be treated. In the inventive method, a probe is positioned in the area of the diseased change and tissue selection is activated in that different electrical and/or electromagnetic stimulus signals which can be preadjusted or modulated are sent to the tissue. Healthy tissue parts can be distinguished from pathologically changed tissue parts by evaluating the responses to these stimuli. When the stimulus response is absent or unexpected, the corresponding therapeutic or surgical treatment is carried out by the same probe at the selected site. Otherwise, the probe is repositioned and the tissue selection is activated again. With the inventive method for tissue-selective treatment, it is possible to sever, fragment and/or suction off certain pathologically altered tissue parts from remaining, healthy tissue parts without damaging healthy tissue parts.